TEKTELIC
communications

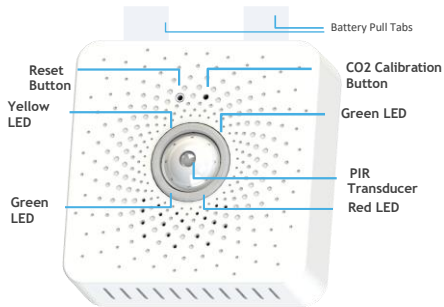# Smart Room Sensor PIR & CO2
Quick Start Guide

Activating the Device

The device is shipped with the batteries installed and pull tabs on the positive terminals of the batteries. Removing the pull tabs will activate the device. There is no need to open the enclosure to activate the device.

Battery Pull Tabs

Reset Button

Yellow LED

CO2 Calibration Button

Green LED

Green LED

PIR Transducer

Red LED

1. Mount the Display in a secure and easily visible location

2. Mount the Sensor on a wall or ceiling using the brackets provided

3. Pull battery tabs from the Display and then the Sensor to activate
   - Yellow LED flashes while Sensor attempts to joinLoRaWAN network (can take up to 2 minutes).
   - Green LED flashes when Sensor connects to BLE Display

4. Sensor will begin collecting data to be viewed on the Display

Note:
- Sensor and Display connect automatically upon activation
- Distance between Sensor and Display should not exceed 10 Meters for reliable connectivity

Activation & Configuration

Temperature, Humidity, CO2 Level, Sensor Battery labels pointing to display:

515ppm | 22.6C | 75.5%

Sensor Battery 96%   Display Battery 95%

Tablet Display Battery

Sensing Feature	Range
CO_2	0 ppm to 5000 ppm Outdoor air typically 400 ppm CO_2 threshold alarm: 1000 ppm
Temperature	0°C to 60°C
Relative Humidity	5% to 95%
Sensory Battery	1% to 100% Low battery alarm: 5%
Display Battery	1% to 100% Low battery alarm: 5%

The default data reporting periods are listed in Table 1. To make changes to the default data reporting periods, please refer to the knowledge base on the support portal at support.tektelic.com

Table 1: Default Reporting Periods of the Smart Room Sensor CO2

Parameter	Default Reporting Periods	
	During Active School Hours	Outside of School Hours
CO_2	Every 5 minutes	Every 1 hour
Temperature	Every 5 minutes	Every 1 hour
Relative Humidity	Every 5 minutes	Every 1 hour
Sensory Battery	Every 5 minutes	Every 1 hour
Display Battery	Every 5 minutes	Every 1 hour

*Motion Detection reported on LoRaWAN Network rather than the Display

Active Hours : 8am to 5pm Monday to Friday

Reports are sent to both the LoRaWAN Network and the Display

Troubleshooting

If the device remains blinking yellow for more than two minutes follow these troubleshooting actions:

- Ensure the device is provisioned on the Network Server
- Ensure the local LoRa Gateway has also been provisioned on the Network Server
- Ensure a local LoRa Gateway is online

Note:

If you have questions about using this device please visit the TEKTELIC Support Portal **support.tektelic.com** for access to our knowledge base.